

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Rita Arguello

GENERAL INFORMATION:

Name:	Superior Battery Manufacturing Company Inc.
Address:	2515 Highway 910, Russell Springs, Kentucky
Date application received:	10/25/2007
SIC/Source description:	3691
EIS #:	21-207-00019
Application log number:	3893
Permit number:	F-06-022 Rev 2

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
<u>X</u> Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Potential & lead standards*
PM10	90.00 tons per year
LEAD	milligram of Lead/dry standard cubic meter of exhaust
Grid Casting facility	0.40
Paste mixing facility	1.00
Three-process operation facility	1.00
Lead oxide manufacturing facility	5.0 milligram of lead/kilogram of lead feed.
From any other lead-emitting operation	1.00 milligram of lead/dry standard cubic meter of exhaust
* Source: 40 CFR 60.372 subpart kk	

SOURCE DESCRIPTION:

Lead acid storage batteries are produced from lead alloy ingots and lead oxide. This facility proposed to limit their production. A maximum process allowance is based on tons of lead processed per year. This amount is set so that the Potential to Emit is 90 tons per year of PM/PM₁₀.

REVISION 2: Superior Battery Manufacturing submitted an application for replacing equipments in Casting, Form, Finish, and Pasting operations. Those equipments will increase the operation efficiency. They are incorporated in:

Section B: Equipments replacing and the addition of a stack.

Section C: Replacing and removing equipments from the Form and Finish Department.

After this change, the PTE of pollutants is still below the threshold defined in 401 KAR 52:030, hence, the source remains as Conditional Major.